

**Flame Retardant PC Alloy WONDERLOY® PC-540**

產品敘述: High heat

| 物性          | ISO 測試方法  | 測試條件                     | 單位                | PC-540                              |
|-------------|-----------|--------------------------|-------------------|-------------------------------------|
| 熔融指數        | 1133      | 260°C×2.16KG             | ml/10 min         | 20                                  |
| Spiral flow | CHIMEI    | 260°C, 2mm, V:50%, P:50% | cm                | 40                                  |
| 比重          | 1183      | 23 °C                    | g/cm <sup>3</sup> | 1.18                                |
| 拉伸強度        | 527       | 50 mm/min, yield         | MPa               | 60                                  |
|             |           | 50 mm/min, break         | MPa               | 55                                  |
| 延伸率         | 527       | 50 mm/min                | %                 | 120                                 |
| 彎曲強度        | 178       | 2 mm/min                 | MPa               | 90                                  |
| 彎曲彈性模數      |           | 2 mm/min                 | GPa               | 2.5                                 |
| IZOD 衝擊強度   | 180/4A    | 23 °C Notched            | KJ/m <sup>2</sup> | 40                                  |
|             |           | -30 °C Notched           | KJ/m <sup>2</sup> | —                                   |
| Charpy 衝擊強度 | 179       | 23 °C Notched            | KJ/m <sup>2</sup> | 40                                  |
|             |           | -30 °C Notched           | KJ/m <sup>2</sup> | —                                   |
| 維氏軟化溫度      | 306       | 1 Kg, 50 °C/hr           | °C                | 107                                 |
|             |           | 5 Kg, 50 °C/hr           | °C                | 101                                 |
| 熱變形溫度       | 75/A      | 1.8 MPa Unannealed       | °C                | 83                                  |
|             |           | 1.8 MPa Annealed         | °C                | —                                   |
| 介電系數        | IEC 60250 | 1MHz                     | --                | 3.1                                 |
| 體積電阻率       | IEC 60093 | --                       | Ohm X m           | 3.9E+15                             |
| 表面電阻率       | IEC 60093 | --                       | Ohm               | 2.9E+15                             |
| 線膨脹係數       | 11359     | --                       | --                | 8*10 <sup>-5</sup>                  |
| 燃燒等級        | --        | UL-94                    | --                | 1.5mm V-0<br>2.0mm 5VB<br>3.0mm 5VA |
| 成型收縮率       | 294-4     | --                       | %                 | 0.4~0.6                             |
| 標記          | 1043      | --                       | --                | >ABS+PC-FR(40)<                     |

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Notes : These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests

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